Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_

**AP Biology: Unit 2, DBA #3 Review**

Ms. OK, 2014-2015

**Objectives Assessed:** Topic 3 (Origin of Life), Learning Targets I-L

***Practice Questions:*** *Answer the following questions thoroughly and accurately in preparation for your Daily Biology Assessment.*

1. Describe conditions present on early Earth and the composition of early Earth’s atmosphere.

2. Describe the process of endosymbiosis. What evidence suggests that chloroplasts and mitochondria evolved by endosymbiosis?

3. Describe the methods and results of the Miller-Urey experiment.

4. What is the RNA World Hypothesis? What evidence supports this hypothesis?

5. Place the events in the history of life given below in the correct order.

I. Eukaryotic cells are formed through endosymbiosis

II. Macromolecules (ex: proteins) form through polymerization.

III. The first simple molecules are created from the combination of gases in early Earth’s atmosphere

IV. The first simple cells (aka protocells) are created with a cell membrane surrounding organic molecules suspended in fluid.

V. Multicellular organisms form with specialized cells.